

WHAT IS CLAIMED IS:

1. A graphics data generating device for generating graphics data to be outputted by an output device, comprising:

5 a graphics data acquisition mechanism configured to acquire said graphics data;

an output control data acquisition mechanism configured to acquire output control data that designates output conditions for a plurality of output devices, said output control data relating to respective of said plurality of output devices;

10 and

a graphics data output mechanism configured to relate said graphics data to said plurality of output control data, and to output the related graphics data.

2. A graphics data generating device according to claim 1, wherein:

15 said output control data includes identifying information for identifying respective of said plurality of output devices.

3. A graphics data generating device according to claim 1, further comprising:

20 a designating mechanism configured to designate more than one of said plurality of output devices for output of said graphics data, wherein said output control data acquisition mechanism acquires output control data for output devices designated by said designating mechanism.

25 4. A graphics data generating device according to claim 2, wherein:

said identifying information consists of information identifying at least one classification selected from the group of classifications consisting of output device category, output device output format, manufacturer, and output device model name.

5. A graphics data generating device according to claim 3, wherein:

said output control data acquisition mechanism is configured to acquire  
output control data with reference to a classification level designated when  
5 output devices are designated by said designating mechanism.

6. A graphics data generating device according to claim 5, wherein:

said output control data includes identifying information for identifying said  
more than one of said plurality of output devices, and

10 said identifying information is a classification designated when  
predetermined output devices are designated by said designating mechanism.

7. A graphics data generating device according to claim 4, wherein:

said output device category includes printing devices and display devices.

15 8. A graphics data generating device according to claim 7, wherein:

said output device output formats include xerographic printing,  
sublimation printing, ink jet printing, CRT display, LCD display, projection display,  
transmissive display, and reflective display formats.

20 9. A graphics data generating device according to claim 1, further  
comprising:

a data storage device configured to hold output control data,

wherein said output control data acquisition mechanism is configured to  
25 acquire said output control data from said data storage device.

10. A graphics data generating device according to claim 1, further  
comprising:

an output control data generating mechanism configured to generate said output control data for a designated output device,

wherein said output control data acquisition mechanism is configured to acquire said output control data generated by said output control data generating  
5 mechanism.

11. A graphics data generating device according to claim 1, further comprising:

a graphics data generating mechanism configured to generate said  
10 graphics data,

wherein said graphics data acquisition mechanism acquires said graphics data generated by said graphics data generating mechanism.

12. A computer-executable program for generating graphics data to be  
15 outputted by an output device, wherein functions performed by said computer-executable program comprising:

acquisition of said graphics data;

designation of a plurality of output devices for output of said graphics  
data;

20 acquisition of output control data that designates output conditions for a plurality of output devices, said output control data relating to respective of said plurality of said output devices; and

generation of graphics data that is related to said plurality of output control data.

25 13. A graphics data generating device for generating graphics data to be outputted by an output device, comprising:

means for acquiring said graphics data;

means for acquiring output control data that designates output conditions for a plurality of output devices, said output control data relating to each individual output device; and

means for generating graphics data that is related to said plurality of  
5 output control data.

14. A method for generating graphics data to be outputted by an output device, comprising steps of:

acquiring said graphics data;

10 acquiring output control data that designates output conditions for a plurality of output devices, said output control data relating to respective of said plurality of output devices; and

generating graphics data that is related to said plurality of output control data.

15 15. A method according to claim 14, wherein:

said output control data includes identifying information for identifying respective of said plurality of output devices.

20 16. A method according to claim 14, further comprising a step of:

designating more than one of said plurality of output devices for output of said graphics data, and acquiring output control data for output devices designated in said designating step.

25 17. A method according to claim 15, wherein:

said identifying information consists of information identifying at least one classification selected from the group of classifications consisting of output

device category, output device output format, manufacturer, and output device model name.

18. A method according to claim 16, wherein:

5        said acquiring step includes acquiring output control data with reference to a classification level designated when output devices are designated in said designating step.

19. A method according to claim 18, wherein:

10        said output control data includes identifying information for identifying said more than one of said plurality of output devices, and

      said identifying information is a classification designated when output devices are designated in said designating step.

15        20. A method according to claim 17, wherein:

      said output device category includes printing devices and display devices.

21. A method according to claim 20, wherein:

20        said output device output formats include xerographic printing, sublimation printing, ink jet printing, CRT display, LCD display, projection display, transmissive display, and reflective display formats.

22. A method according to claim 14, further comprising steps of:

      holding in memory output control data, and

25        acquiring said output control data from said memory.

23. A method according to claim 14, further comprising steps of:

generating said output control data for a designated output device; and  
acquiring said output control data generated in said generating said  
output control data step.

- 5           24. A memory according to claim 14, further comprising steps of:  
generating said graphics data; and  
acquiring said graphics data.

10           25. A graphics data generating device for generating graphics data to be  
outputted by an output device, comprising:

a graphics data acquisition mechanism configured to acquire said  
graphics data;

15           an output control data acquisition mechanism configured to acquire said  
output control data that includes identifying information for identifying an output  
device, and that designates output conditions for an output device; and

a graphics data generation mechanism configured to generate graphics  
data that is related to said plurality of output control data.

20           26. A graphics data generating device for generating graphics data to be  
outputted by an output device, comprising:

means for acquiring said graphics data;

means for acquiring output control data that includes identifying  
information for identifying an output device, and that designates output  
conditions for an output device; and

25           means for generating graphics data that is related to said plurality of  
output control data.

27. A method for generating graphics data to be outputted by an output device, comprising the steps of:

acquiring said graphics data;

acquiring output control data that includes identifying information for

5 identifying an output device, and that designates output conditions for an output device; and

generating graphics data that is related to said plurality of output control data.

10 28. A computer-executable graphics data generating program for generating graphics data to be outputted by an output device, wherein functions performed by said computer-executable program comprising:

acquisition of said graphics data;

acquisition of output control data that includes identifying information for

15 identifying an output device, and that designates output conditions for the output device; and

generation of graphics data that is related to said plurality of output control data.

20 29. An output control device for outputting graphics data using graphics data and output control data designating output conditions for an output device, comprising:

a graphics data acquisition mechanism configured to acquire said graphics data;

25 an output control data acquisition mechanism configured to acquire said output control data;

a designated output device determination mechanism configured to determine whether said acquired output control data is output control data that designates said designated output device from another device; and

an output control mechanism configured to perform output control based on said output control data previously acquired when said output control data previously acquired is determined to be output control data designating from said other device.

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30. An output control device according to claim 29, further comprising:

a storage device configured to hold predetermined output control data, wherein said output control mechanism performs output control based on said predetermined output control data the output control data that is previously acquired is determined not to be output control data designating from said other device.

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31. An output control device according to claim 30, wherein:

said output control data includes identifying information for identifying a predetermined output device, and said designated output device determination mechanism operates on said identifying information to determine whether output control data is output control data designated by said other device.

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32. An output control device according to claim 30, wherein:

said output control data includes identifying information that consists of at least one classification selected from the group of classifications consisting of output device category, output device output format, manufacturer, and output device model name; and

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where all of said classifications match the classifications of the other device, said designated output device determination mechanism is configured to determine output control data that is output control data designated by the other device.

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33. An output control device for outputting graphics data using a graphics file that includes graphics data and output control data designating output conditions for an output device, comprising:

means for acquiring said graphics data from said graphics file;

5 means for acquiring said output control data from said graphics file;

means for determining whether said acquired output control data is output control data that designates said designated output device from another device; and

10 means for performing output control based on said output control data previously acquired when said output control data previously acquired is determined to be output control data designated by said other device.

34. A method for outputting graphics data using a graphics file that includes graphics data and output control data designating output conditions for an output device, comprising steps of:

15 acquiring said graphics data from said graphics file;

acquiring said output control data from said graphics file;

determining whether said acquired output control data is output control data that designates said designated output device from another device; and

20 performing output control based on said output control data previously acquired when said output control data previously acquired is determined to be output control data designated by said other device.

35. A method according to claim 34, further comprising steps of:

25 storing predetermined output control data, and performing output control based on said predetermined output control data when said output control data previously acquired is determined not to be output control data designated by the other device.

36. A method according to claim 34, wherein:

said output control data includes identifying information for identifying an output device, and said determining step determines based on said identifying information whether output control data is output control data designated by the other device.

37. A method according to claim 34, wherein:

said output control data includes identifying information that consists of at least one classification selected from the group of classifications consisting of output device category, output device output format, manufacturer, and output device model name; and

all of said classifications match the classifications of the other device when said determining step determines output control data is output control data designated by the other device.

38. A computer-executable program for outputting graphics data using a graphics file that includes graphics data and output control data designating output conditions for an output device, wherein functions performed by said computer-executable program comprising:

- acquisition of said graphics data from said graphics file;
- acquisition of said output control data from said graphics file;
- determination of whether said acquired output control data is output control data designated by an other device; and
- performing output control based on output control data previously acquired when said acquired output control data is determined to be output control data designated by the other device.

39. An image output system that includes a plurality of connected output devices, and that outputs graphics data using a graphics file that includes

graphics data and a plurality of output control data designating output conditions for said output devices, comprising:

an output control data acquisition device configured to acquire from said graphics file said output control data for each said connected output device; and  
5 an output control device configured to perform output control of each said output device based on said acquired output control data previously acquired.

40. An image output system according to claim 39, wherein:

said output control data includes identifying information identifying output  
10 devices; and

said output control data acquisition mechanism uses said identifying information to acquire output control data for said output devices.

41. An image output system according to claim 39, wherein:

said output devices include a printing device and a display device;

said output control data includes information relating to color reproduction ranges of said printing device and said display device; and

said output control device performs output control of said printing device based on color reproduction range of the printing device, and performs output  
20 control of said display device on the basis of the color reproduction range of the display device.

42. An image output system for outputting graphics data using a graphics file that contains graphics data and a plurality of output control data designating  
25 output conditions for output devices, comprising:

a plurality of output devices; and

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an output control device having said plurality of output devices connected therewith, and for performing output control of said connected output devices based on said output control data.

1. A system for controlling a plurality of output devices, comprising:  
a. an output control device having said plurality of output devices connected therewith, and for performing output control of said connected output devices based on said output control data.